Learning Objectives

The learning objectives for this module include describing features on new vehicles and technology from:

- **Chrysler LLC.**
- **Ford Motor Company.**
- **General Motors.**

Video: Tech/Trends Trivia

2013 SRT Viper

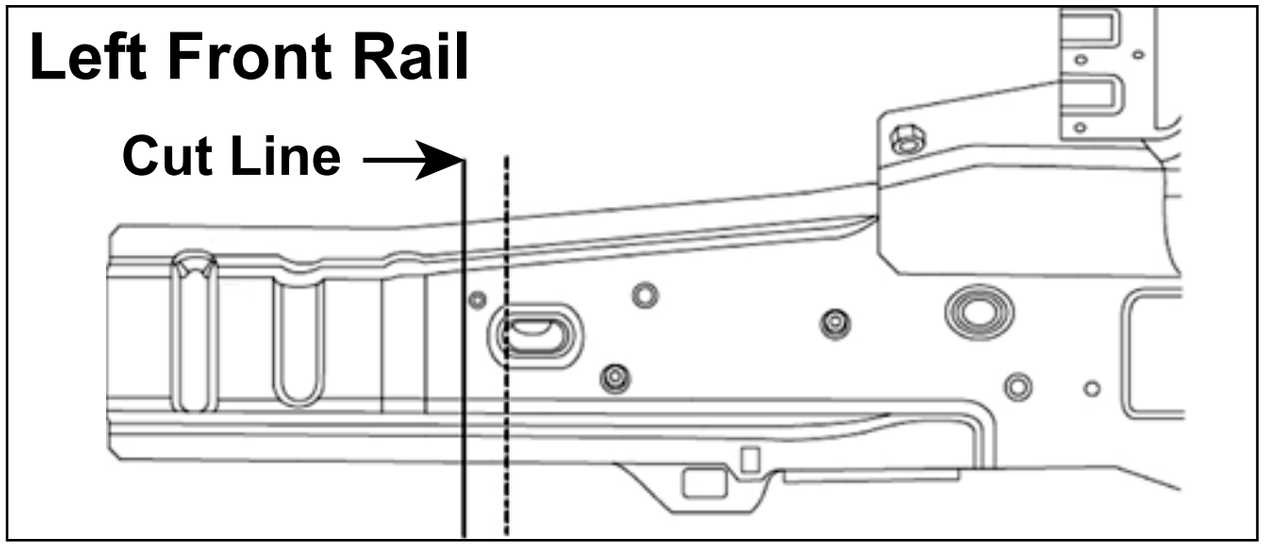
- Not a Dodge
- Steel space frame structure
- Carbon fiber hood, roof, deck lid
- Aluminum doors, rocker panels, front bumper reinforcement
- Cast magnesium cowl panel

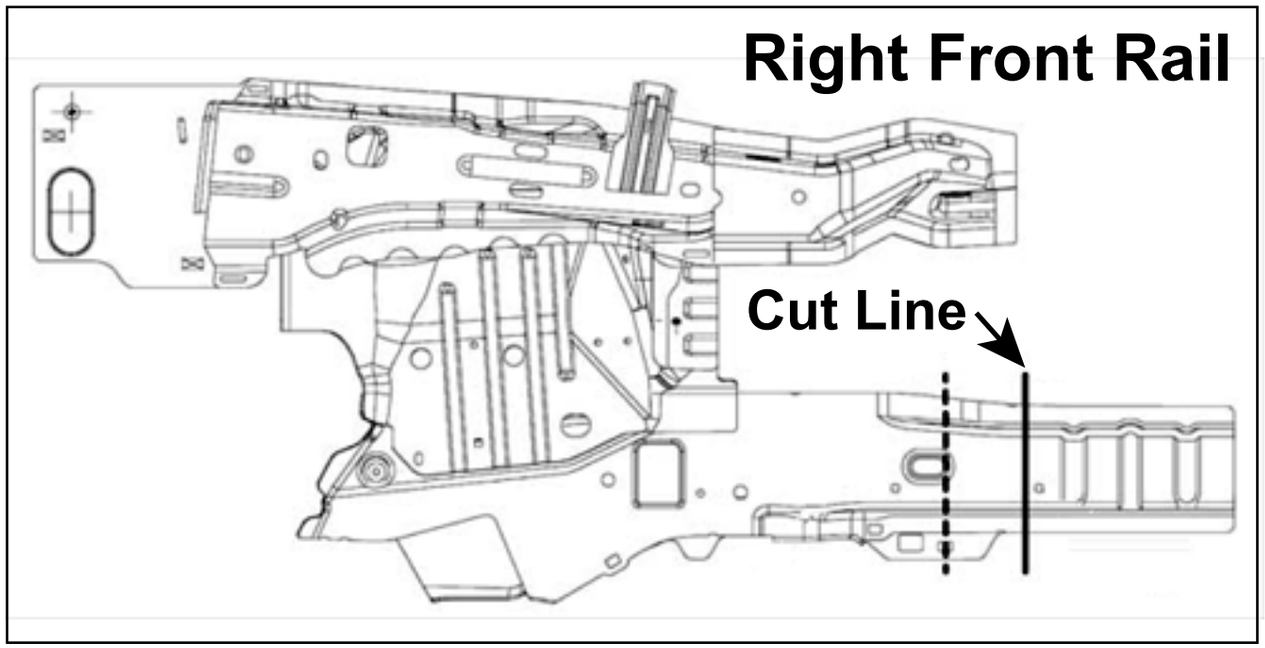
Video: 2013 Dodge Dart

Dodge Dart Construction Features

- VHS or UHSS front floor pan and crossmembers
  - no straightening floor damage
- Boron-alloyed steel A-pillar, roof rail, B-pillar reinforcements
- Inner B-pillars as strong as the floor pan

Sectioning Dodge Dart Front Lower Rails

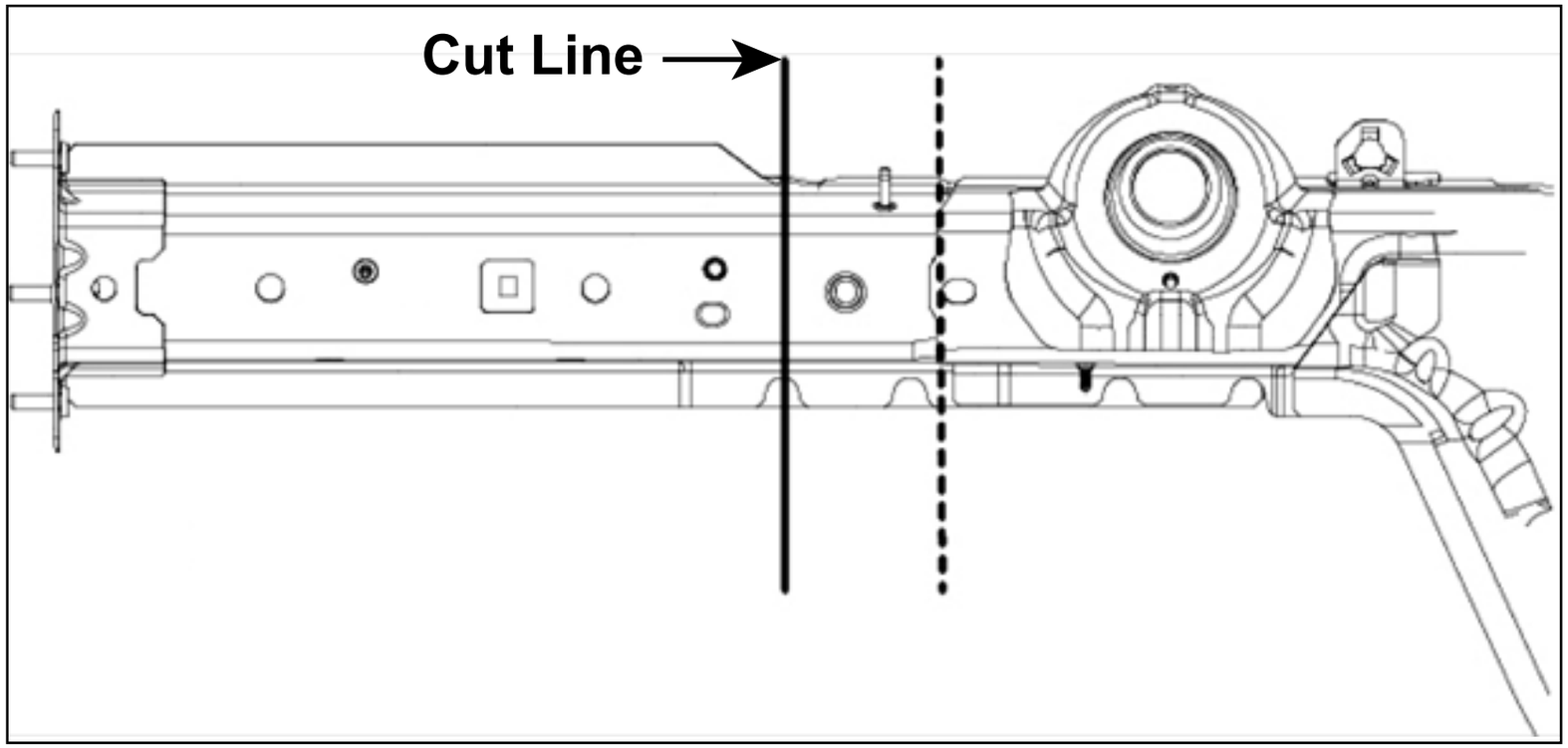




Courtesy of Chrysler LLC

- Front end of front lower rails
- Different locations left and right
- Butt joints with 13 mm backing

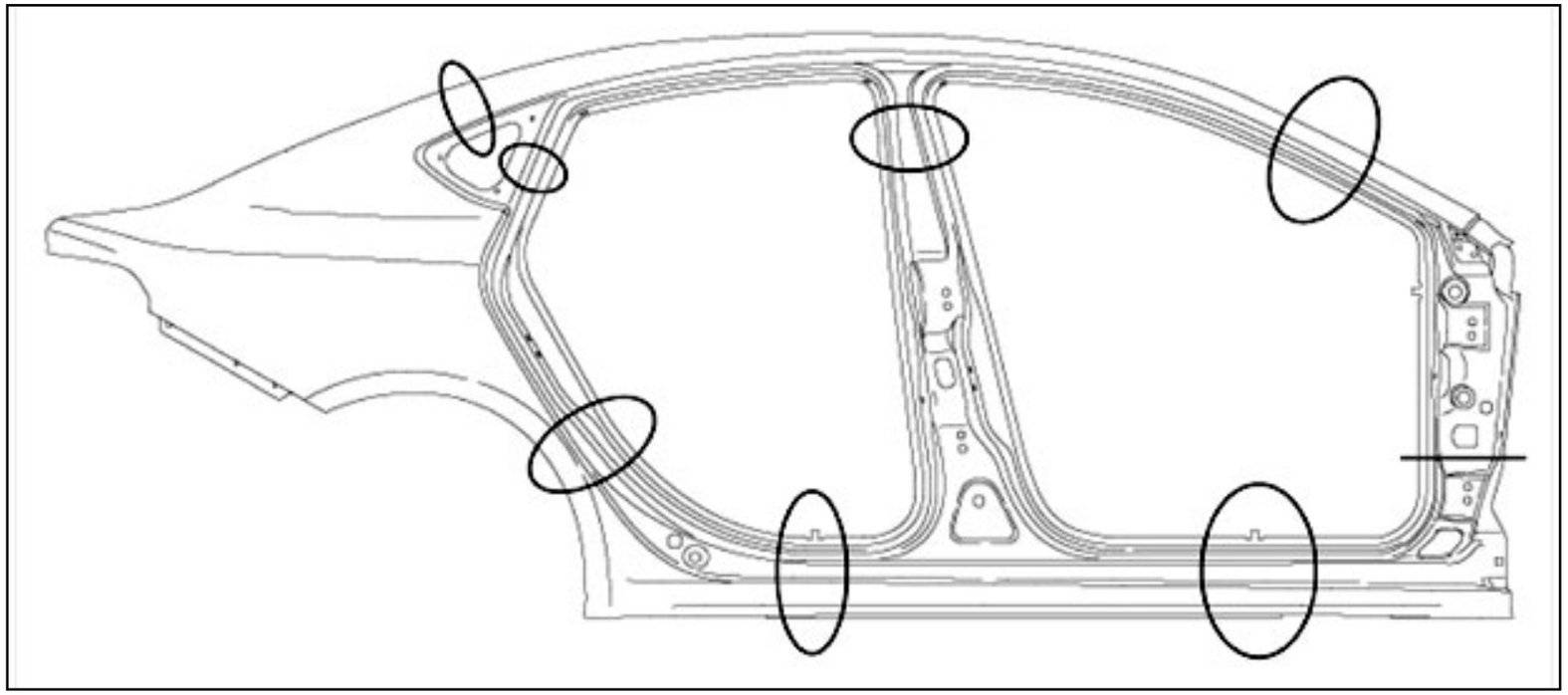
Dodge Dart Rear Rails



Courtesy of Chrysler LLC

- Rear part of rear rail
- Butt joint with backing
- Use reinforcement as backing

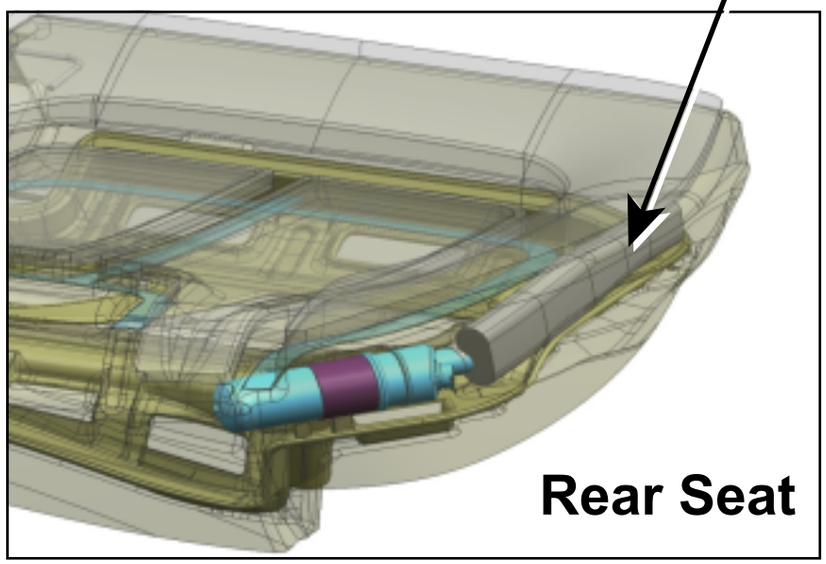
Dodge Dart Side Aperture Repairs



Courtesy of Chrysler LLC

- **Sectioning procedures on several locations on the outer side aperture**
- **Butt joint with 13 mm backing on all locations**
- **No sectioning or straightening A- and B-pillar reinforcements**

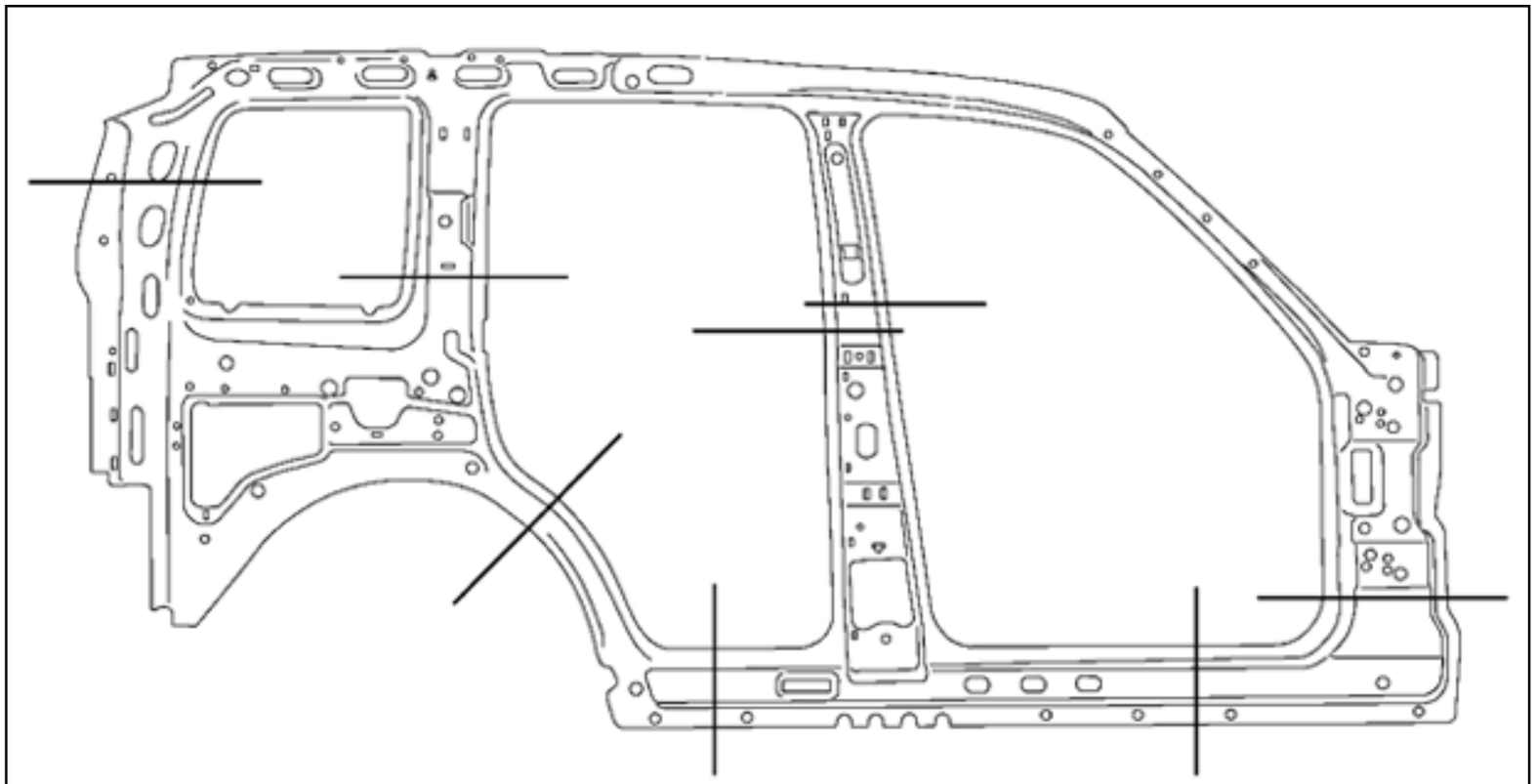
Dodge Dart Industry Firsts



Courtesy of Chrysler LLC

- **Front passenger seat storage option opens with the seat cushion facing forward**
- **Wireless phone charger pad**
- **Rear seat airbag that deploys from the seat cushion**

New Sectioning Procedures

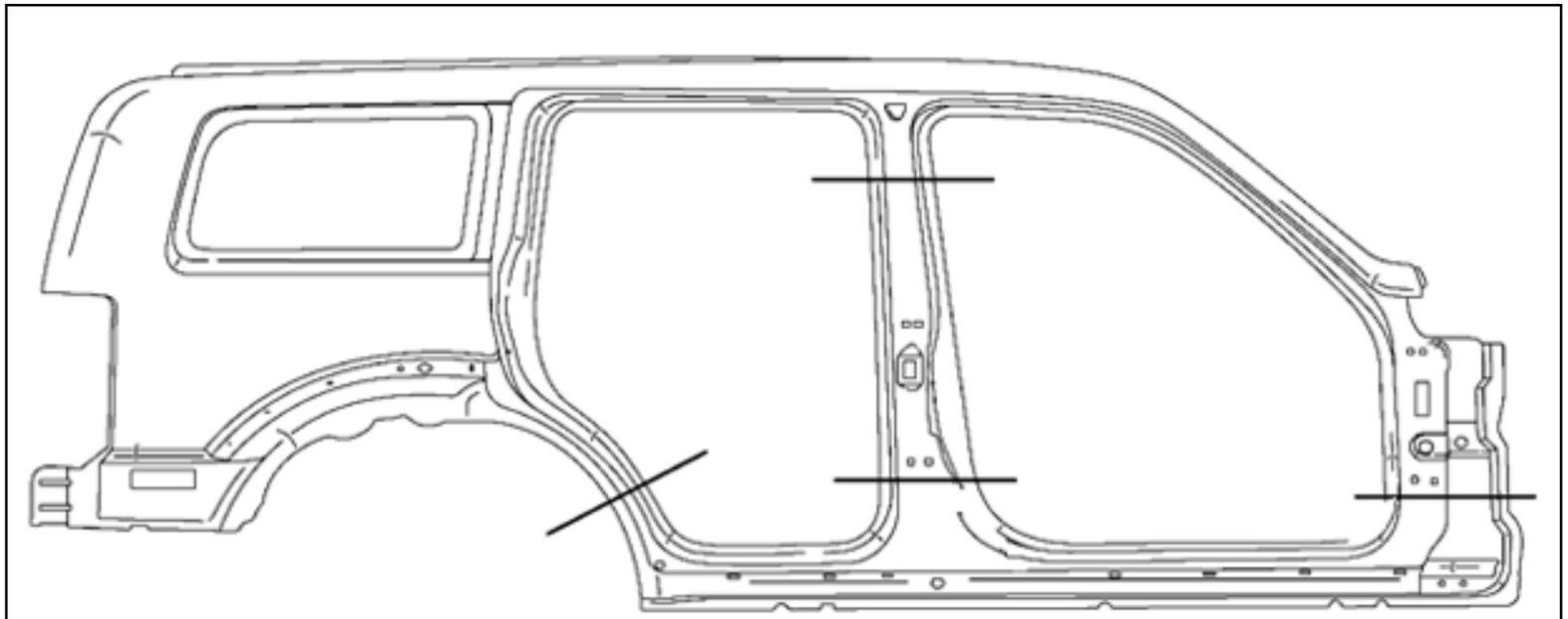


2002–2007 Jeep Liberty Inner Side Panel

Courtesy of Chrysler LLC

- **For Jeep Liberty and Dodge Nitro**
- **Previously only a front rail procedure**
- **Available on Tech Authority pay website**
- **Generally, not through holes, formations, and at least 25 mm from laser welds**

New Sectioning Procedures (cont'd)

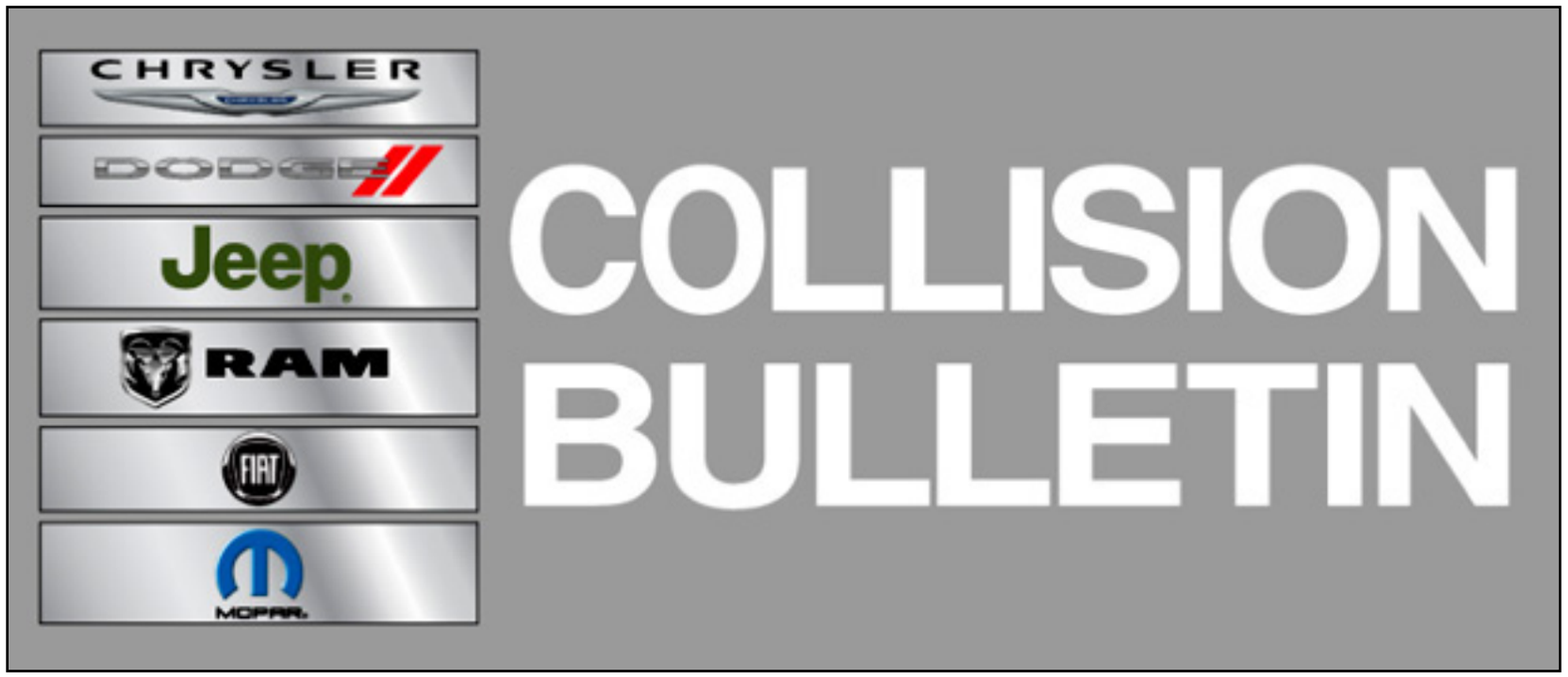


Dodge Nitro 2007 And Newer

Courtesy of Chrysler LLC

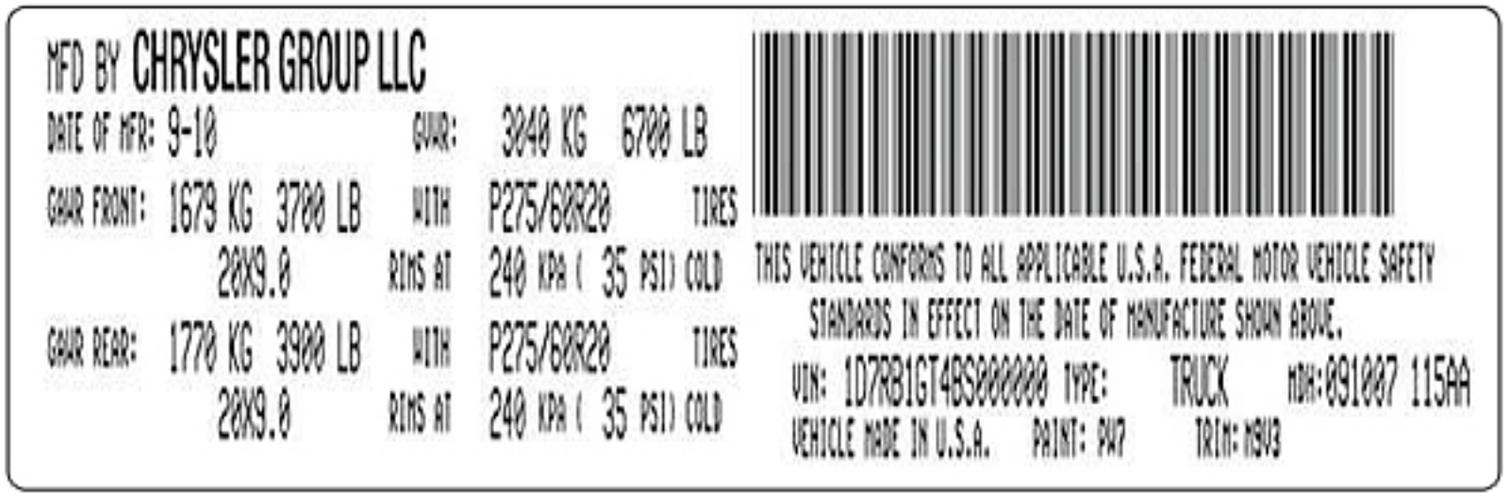
- **Includes procedure to section outer B-pillar on '07 and newer Dodge Nitro**
- **Upper B-pillar when reinforcement or inner side panel being replaced**
- **Lower locations when only rocker panel is replaced**

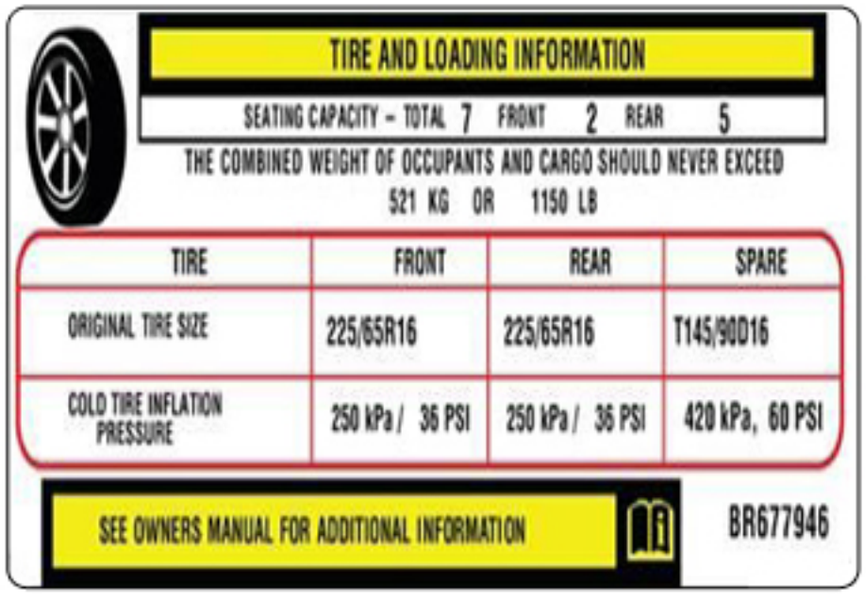
Chrysler Collision Repair Bulletins



- Issued whenever necessary
- Only available on Tech Authority pay website at this time
- Service Bulletins, Group 31

Replacement Vehicle Information Labels


MFD BY CHRYSLER GROUP LLC
DATE OF MFR: 9-10
GVWR: 3040 KG 6700 LB
GAWR FRONT: 1673 KG 3700 LB WITH P275/60R20 TIRES
20X9.0 RIMS AT 240 KPa (35 PSI) COLD
GAWR REAR: 1770 KG 3900 LB WITH P275/60R20 TIRES
20X9.0 RIMS AT 240 KPa (35 PSI) COLD
THIS VEHICLE CONFORMS TO ALL APPLICABLE U.S.A. FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.
VIN: 1D7RB1GT4BS000000 TYPE: TRUCK MDH:091007 115AA
VEHICLE MADE IN U.S.A. PAINT: PW7 TRIM: MBV3



- **Authentic replacements for Safety Certification label and Tire Pressure labels**
- **For doorjamb and underhood**
- **Available for 1991 and newer vehicles**